

Purchase Order Receipt Listing

Wednesday, August 09, 2017 1:08:22 PM

All amounts are calculated in domestic currency.

Page 1 of 1

All Vendors	PO ID PO36986	Receipt Dates from 8/9/2017 to 8/9/2017	All Line Item Types
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All Item ID/GL/WOs All Rec. Employees All Currencies

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name VU-MET002 A.M. Castle & Co. (Canada) Inc.- C/O 910720											
PO36986	8		M7075T6S3.000X2.7 f 50	DAS 2-85 5	7/28/2017	8/9/2017	12.0000		0.0000	0	\$0.00
USD	No		7075-T6S Sheet 3.000" thick x 2.750" wide	f 9-89	12.0000	PLOU01			0.0000	0	
	9		M7075T6S1.750X4.5 f 00	DAS 5	7/28/2017	8/9/2017	12.0000		0.0000	0	\$0.00
	No		M7075T6 SHEET 1.750 THICK X 4.500 WIDE	f 9-89	12.0000	PLOU01			0.0000	0	
			ml38251								
<div>Total Received Quantity: Total Qty to Inspect (PO U/M): Total Reject Quantity: Total Receipt Value: Total Balance Due Quantity:</div>											
24.0000 0.0000 0.0000 \$0.00 0.0000											

INTERORG TRANSFER PACKING SLIP/ CERTIFICATE OF CONFORMANCE

Page 1 of 2

Shipment No:3340929

Ship From: A. M. CASTLE & CO. 14001 ORANGE AVENUE PARAMOUNT, CA 90723 USA		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 26-JUL-17	F.O.B. ORIGIN	Freight Terms Prepaid		Carrier ABF	BOL No 3340929-2		

Shipment Details

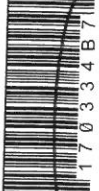
Final Destination Branch - TOR

Order No	Line No	Item No	Description	Ordered Qty	Invoice Qty
4823222	3	752054.MO	3.0000.PL.7075.T651.ALUMINUM.USI.48.5000.144.5000 CUT LENGTH TO 2.75 IN () X 144.5 IN () X 50/- 0000 IN) ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12	1.00 PCS	1.00 PCS
Purchase Order No 36986		Part Number			

Details

ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY
ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S
Email P/s and certs to: clavoie@dartaero.com
END USER: DART AEROSPACE
END USE: COMMERCIAL AIRCRAFT PARTS

87789

Delivery No.	Mill	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
121207817		 170334B7		1			122.8119

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

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Date Printed: 26-JUL-2017 04:52:00 PM

INTERORG TRANSFER
PACKING SLIP/
CERTIFICATE OF CONFORMANCE

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to size, correct size, or material cut by the customer cannot be returned.	
Reviewed by Authorized Castle Metals Representative:	Date: Name:



807A-8-9

INTERORG TRANSFER PACKING SLIP/ CERTIFICATE OF CONFORMANCE

Page 1 of 2

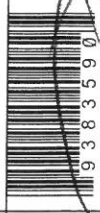
Shipment No:3340929

Ship From: A. M. CASTLE & CO. 14001 ORANGE AVENUE PARAMOUNT, CA 90723 USA		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 26-JUL-17	F.O.B. ORIGIN	Freight Terms Prepaid	Carrier ABF	BOL No 3340929-2			

Shipment Details	Final Destination Branch - TOR
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Order No	Line No	Item No	Description
4823222	5	750488.MO	1.7500.PL.7075.T651.ALUMINUM.USI.48.5000.144.5000 CUT LENGTH TO 4.5 IN () X 144.5 IN (+ .1250/- .0000 IN) ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12
Purchase Order No 36986	Part Number	Ordered Qty 1.00 PCS	Invoice Qty 1.00 PCS

Details
ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY
ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S
Email P/s and certs to: clavoie@dartaero.com
END USER: DART AEROSPACE
END USE: COMMERCIAL AIRCRAFT PARTS

Delivery No.	Mill	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
121207817		 DAS 5 9-89		1			117.8218

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

Date Printed: 26-JUL-2017 04:52:00 PM

INTERORG TRANSFER
PACKING SLIP/
CERTIFICATE OF CONFORMANCE

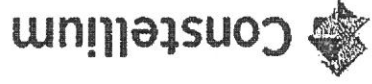
Page 2 of 2

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: Name:



8877-89

CERTIFIED TEST REPORT Constellium Rolled Products Ravenswood, LLC



A M CASTLE
1420 KENSINGTON ROAD, SUITE 220
OAK BROOK IL 60523
US

A M CASTLE & CO.
14001 ORANGE AVE.
PARAMOUNT CA 90723
US

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A M CASTLE 110516970 4075 INCLUSION Serial:20170322-0110516970 Pg 1 of 3

CUSTOMER PURCHASE ORDER NO. & ITEM 413045		Constellium ORDER NO. 198377	
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.7500 in 44.45 mm
WIDTH 48.5000 in 1,232 mm	LENGTH 144.5000 in 3,670 mm	ITEM ORDERED SPEC PLATE, SAWED MILL FINISH	
CUSTOMER SPECIFICATION AMS QQ-A-250/12A		PART NUMBER 750488	
B/L NUMBER 7792		DATE SHIPPED 03/22/2017	
NO. OF PIECES 000008		GOVT. CONTRACT NO.	
WT. SHIPPED 9940.000 LB		Steve Good - Laboratory Manager	

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

ASTM B594 REV 13 2013 100% SONIC W/ 0.125" DEADZONE Class A
AMS 4045K
AMS-STD-2154A 2012 TYPE1 CLASS A 100% SONIC MINUS DEADZONE
ASTM B209-14
BSS-7055B 2013 CLASS A 100% SONIC TESTED MINUS DEADZONE
CST1006 REV E 2011 CLASS A 100% SONIC MINUS DEADZONE
DPS 4.713 REV AK 2012 CLASS A 100% SONIC MINUS DEADZONE
GAMPS 9101 REV B 2006 CLASS A 100% SONIC MINUS DEADZONE
PS 21211P 2010 CLASS A 100% SONIC MINUS DEADZONE

Load Details

Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot
1001476359	1,245.000	564.722	9383589	01	02	
1001476360	1,245.000	564.722	9383589	03	03	
1001476361	1,240.000	562.454	9383590	01	03	
1001476362	1,240.000	562.454	9383590	03	04	

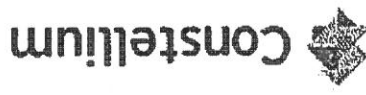
Tensile - Room Temperature (US)

Direction	Tests	Min	Max	Yield (KSI)	Elongation (%)	Report
LT	02	78.2	79.8	68.2	69.6	12.0
		Min	Max	Min	Max	12.5



CERTIFIED TEST REPORT Constellium Rolled Products Ravenswood, LLC

A M CASTLE
1420 KENSINGTON ROAD, SUITE 220
OAK BROOK IL
60523
US



A M CASTLE & CO.
14001 ORANGE AVE.
PARAMOUNT CA
90723
US



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A M CASTLE		110516970		4075		INCLUSION		Serial: 20170322-0110516970		Pg 2 of 3	
CUSTOMER PURCHASE ORDER NO. & ITEM		413045		Constellium ORDER NO.		198377		CERTIFICATION		"Constellium Rolled Products, hereby certifies that inspected and found in conformance with the requirements of the applicable specifications as shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination."	
ALLOY	CLAD	TEMPER	GAGE	WIDTH	LENGTH	<p>7075 144.5000 in 3.670 mm</p>					
7075		T651	1.7500 in 44.45 mm	1.232 mm	144.5000 in 3.670 mm						
ITEM ORDERED		SPEC PLATE, SAWED		MILL FINISH							
CUSTOMER SPECIFICATION		AMS QQ-A-250/12A		PART NUMBER		B/L NUMBER		DATE SHIPPED			
750488		77792		03/22/2017		GOVT. CONTRACT NO.		NO. OF PIECES		WT. SHIPPED	
								000008		9940.000 LB	
Steve Good - Laboratory Manager											

Tensile - Room Temperature (SI)									
Direction		Tests		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)	
LT	02	Min	Max	Min	Max	Min	Max	Min	Max
		539	550	470	480	12.0	12.5		
Chemistry (Actual)									
SI	FE	CU	MN	MG	CR	ZN	TI	ZR	
0.07	0.21	1.47	0.04	2.49	0.20	5.57	0.04	0.01	Core

All material contained in this lot was cast and manufactured in the USA

Lot: 9383590

Tensile - Room Temperature (US)											
Direction	Tests	Min	Max	Min	Max	Yield (KSI)	Elongation (%)	Report			
LT	02	78.9	79.0	68.3	70.4	11.5	12.0				



KAISER ALUMINUM
Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4415418

CUSTOMER PO NUMBER: 371337		WORK PACKAGE: 752054		CUSTOMER PART NUMBER: 103536/15		SHIP RUN/LOAD: GOVT CONTRACT NUMBER:	
KAISER ORDER NO: 1209403		LINE ITEM: 1		SHIP DATE: 17-APR-2016		ALLOY: 7075	
WEIGHT SHIPPED: 4344 LB		QUANTITY: 2 PCS EST.		TRUCK B/L #: 2059793		GAUGE: 3.0000 IN	
						DIAMETER/MBH: 48.500 IN	
						LENGTH: 144.500 IN	
						(3670.3 MM)	
						(1231.9 MM)	
						(76.200 MM)	
						T651	
						Kaiser Select Plate	
						PRODUCT DESCRIPTION:	

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4415418

Lot: 170334B7 Cast 179 Drop 26 Ingot 4 Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile: Temper

T651

Dir # Tests
LT # 2 (Min:Max)

Ultimate KSI (MPA)

76.9 : 77.0
(530 : 531)

Yield KSI (MPA)

65.6 : 66.4
(452 : 458)

Elongation %

10.5 : 11.2

(ASTM E1251)

Chemistry:

Actual(wt%)

SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
0.07	0.17	1.5	0.03	2.4	0.20	5.7	0.03	0.01	0.01	0.05

ALLOY LIMITS

SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	0.05	0.15

7075

MIN(wt%)

MAX(wt%)

Aluminum Remainder

ORDER COMMENTS

AMC CA-15403C R 6

TEST NOTES

Metal represented by this test report was 100% Type I
(immersion) ultrasonically tested from one side with 3mm
dead zones top and bottom and meets the Class A and Class B
requirements of all specifications referenced on this test
report. No surface marking of sonic indications is
performed.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser), is ISO 9001:2008/AS9100C certified and hereby certifies that all material shipped under this order:
has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. For material thicknesses outside specification limits, mechanical properties are
as shown herein and chemical composition meets specification requirements.
was melted in the United States of America or a qualifying country per DFARS 225.872-1(n), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for
domestic content.
has been thermally processed in compliance with AMS 2772, where applicable.
is mercury free, within the limits of detection of ASTM E1251 (≤ 1 ppm).
is in compliance with RoHS 2, European Union Directive 2011/65/EU.
is in compliance with and regularly monitors any updates to the European Chemical Agency, ECHA, REACH regulations, (EC) n° 1907/2006.
Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in
full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMENWAY, TECHNICAL PROCESS MANAGER

James Hemenway

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>5</u>	SIGNED OFF BY: _____
DATE: <u>AUG 10 2017</u>	DATE: _____

Testers located in the Quality Office

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				WEBSTER
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y	
CORRECT FINISH	Y	
CORROSION	Y	
CORRECT GRAIN DIRECTION	Y	
CORRECT MATERIAL PER M-DRAWING	Y	4ms aa 4 250 / 12
CORRECT THICKNESS	Y	
PHOTO REQUIRED	Y	
CORRECT REF # TO LINK CERT	Y	44 # 170334B7
CORRECT MATERIAL IDENTIFICATION	Y	7075165
CORRECT M# ON THE MATERIAL	Y	7075165
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	

MATERIAL CERT REC'D: <u>45</u>	QUANTITY RECEIVED: <u>12'</u>	QUANTITY INSPECTED: <u>12'</u>	QUANTITY REJECTED: <u>0</u>
DATE: <u>AUG 10 2017</u>	MATERIAL: <u>M70751653.00X2.750</u>	PO / BATCH NO.: <u>0036986/M13851</u>	
THICKNESS ORDERED: <u>3" X 2.750"</u>	THICKNESS RECEIVED: <u>3" X 2.850"</u>	SHEET SIZE ORDERED: <u>N/A</u>	SHEET SIZE RECEIVED: <u>N/A</u>

MATERIAL RECEIPT INSPECTION FORM

SPECIFICATION CONTROL DRAWING

A PURCHASE MATERIAL: 7075-T6/T62/T651 ALUMINUM SHEET OR PLATE

SPECIFICATION:

QQ-A-250/12 OR AMS-QQ-A-250/12
OR AMS 4048
OR ASTM B209

OR

B PURCHASE MATERIAL: 7075-T6/T62/T651 ALCLAD ALUMINUM SHEET OR PLATE

SPECIFICATION:

QQ-A-250/13 OR AMS-QQ-A-250/13
OR AMS 4048 / 4049
OR ASTM B209

A PART NUMBER:

M7075T6S | TTT | X | W.WWW
| THK | | WIDTH |

WHERE "TTT" = THICKNESS (IN INCHES)
AND "W.WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)

EG. 0.063" THICK SHEET = M7075T6S.063

EG. 3.5" WIDE BY 0.500" THICK PLATE = M7075T6S.500X3.500

A PREFERRED SIZE:

.TTT BY 4FT BY 10FT FOR SHEET

RELEASED

2017 JUN 19
ECN 17-574

APPROVED

B	ADD: REF TO "PLATE", "T651" TEMPER, AMS 4048.	CP	17.05.05
A	NEW ISSUE	RF	10.11.08
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	BY	DATE
DRAWN	CP	BY	DATE
CHECKED	ML	BY	DATE
MFG. APPR.	LL	BY	DATE
APPROVED	WM	BY	DATE
DE APPR.	DS	BY	DATE
DATE	17.05.05	BY	DATE
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
REV. B			
DRAWING NO. M7075T6S			
SHEET 1 OF 1			
TITLE			
7075-T6 SHEET/PLATE SPEC			
SCALE			
NTS			
COPYRIGHT © 2008 BY DART AEROSPACE LTD			
THIS DOCUMENT IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE			
NOT TO BE USED FOR ANY PURPOSES OR CIRCUMSTANCES TO WHICH IT IS NOT SPECIFICALLY INTENDED			

MATERIAL: 1.750X4.500	DATE: AUG 10 2017
QUANTITY RECEIVED: 4.5	QUANTITY INSPECTED: 12
QUANTITY REJECTED: 0	QUANTITY REJECTED: 0
THICKNESS ORDERED: 1.750X4.500	THICKNESS RECEIVED: 1.750X4.500
THICKNESS ORDERED: 1.750X4.500	THICKNESS RECEIVED: 1.750X4.500
PO / BATCH NO.: 030681/1138251	PO / BATCH NO.: 030681/1138251

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y	
CORRECT FINISH	<input checked="" type="radio"/> Y	
CORROSION	<input checked="" type="radio"/> Y	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	485 Q2 A 250/12
CORRECT THICKNESS	<input checked="" type="radio"/> Y	
PHOTO REQUIRED	<input checked="" type="radio"/> Y	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	77 # 9383590
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	405465
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	4054651
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.					RECORD RESULTS BELOW				
					HRC	HRB	DUR A	DUR D	WEBSTER
					TYPE OF MATERIAL				
					SIZE OF TEST SAMPLE				
					HARDNESS / DUROMETER READING				

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: DAS	SIGNED OFF BY:
DATE: AUG 10 2017	DATE:
5	
8-69	

H:\FORMS\Quality Assurance\approved QA\MRIF Material Receipt Inspection Form revd

SPECIFICATION CONTROL DRAWING

- △** PURCHASE MATERIAL: 7075-T6/T62/T651 ALUMINUM SHEET OR PLATE
SPECIFICATION: QQ-A-250/12 OR AMS-QQ-A-250/12
OR AMS 4045
OR ASTM B209
- OR
- △** PURCHASE MATERIAL: 7075-T6/T62/T651 ALCLAD ALUMINUM SHEET OR PLATE
SPECIFICATION: QQ-A-250/13 OR AMS-QQ-A-250/13
OR AMS 4048 / 4049
OR ASTM B209
- △** PART NUMBER: M7075T6S | TTT | X | W.WWW |
| THK | | WIDTH |
- △** WHERE : TTT = THICKNESS (IN INCHES)
AND W.WWW = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)
EG. 0.063" THICK SHEET = M7075T6S.063
EG. 3.5" WIDE BY 0.500" THICK PLATE = M7075T6S.500X3.500
- △** PREFERRED SIZE: .TTT BY 4FT BY 10FT FOR SHEET

RELEASED
2017 JUN 19
ECN 17-574

APPROVED

B	ADD: REF TO PLATE, "T651 TEMPER, AMS 4048, OPTIONAL WIDTH DIM (CAR16-149)	CP	17.05.05
A	NEW ISSUE	RF	10.11.08
REV.	DESCRIPTION	BY	DATE
DESIGN	RF		
DRAWN	CP		
CHECKED	ML		
MFG. APPR.	LL		
APPROVED	WM		
DE APPR.	D9-1		
DATE	17.05.05		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. M7075T6S

REV. B

SHEET 1 OF 1

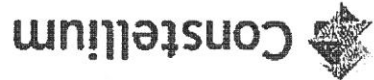
SCALE NTS

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THE WRITTEN PERMISSION OF DART AEROSPACE LTD.

CERTIFIED TEST REPORT Constellium Rolled Products Ravenswood, LLC

A M CASTLE
1420 KENSINGTON ROAD, SUITE 220
OAK BROOK IL
60523
US

A M CASTLE & CO.
14001 ORANGE AVE.
PARAMOUNT CA
90723
US



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A M CASTLE		110516970		4075		INCLUSION		Serial:20170322-0110516970		Pg 3of3	
CUSTOMER PURCHASE ORDER NO. & ITEM						Constellium ORDER NO.		198377		CERTIFICATION	
"Constellium Rolled Products, hereby certifies that inspected and found in conformance with the requirements of the applicable specifications as shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination."						7075		CLAD		ALLOY	
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH						AMS QQ-A-250/12A		CUSTOMER SPECIFICATION		PART NUMBER	
750488						B/L NUMBER		77792		DATE SHIPPED	
750488						NO. OF PIECES		000008		WT. SHIPPED	
9940.000 LB						GOVT. CONTRACT NO.				Steve Good - Laboratory Manager	

Tensile - Room Temperature (SI)

Direction	Tests	Min	Max	Min	Max	Yield (N/MM2)	Elongation (%)	Report
LT	02	544	545	471	485	11.5	12.0	
Chemistry (Actual)	SI	FE	CU	MN	MG	CR	ZN	TI
Core	0.07	0.21	1.47	0.04	2.49	0.20	5.57	0.04
								ZR

OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER

All material contained in this lot was cast and manufactured in the USA

QUALITY TEXTS:
AMC CA-15403A R 7

THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.
CHEMISTRY BY QES: ARKSPARK
CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT
WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399
WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557
DUNS Number: 090570149; CAGE Code: 1YWL9
Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.
"END OF CERTIFICATION"



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

Purchase Order ID PO36986
Purchase Order Date 7/11/2017
PO Print Date 7/11/2017
Page Number 1 of 5

Ship To: DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Order From:
METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W 0E9
CANADA

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB Destination-Collect

Contact Name
Vendor Phone
Ship To Contact
Ship To Phone
Ship Via
Ship Acct:

Line	Reference	Nbr	Vendor Part Number	Description/ Mfg ID	Req Date/ CD	Unit of Measure	Reg Qty/	PO Unit Price	Extended Price
------	-----------	-----	--------------------	---------------------	--------------	-----------------	----------	---------------	----------------

1	D6101-007P			7075-17351 8 25X7.75X2.5	7/28/2017	Each	20.00	\$56.11	\$1,122.2
Line Comments									
Delivery Comments									

AS PER DWG D6101 REV. B
MATERIAL: 7075-17351 (QQ-A-250/12)
SIZE: 7.750" X 8.250" X 2.50" THICK
GRAIN DIRECTION ALONG LENGTH
TOLERANCE AS PER QUOTE +.030"/-.000"

3	D6102-013P			6061-T6 7.0X6.5X2.0	7/28/2017	Each	60.00	\$31.65	\$1,899.0
Line Comments									
Delivery Comments									

AS PER DWG D6102 REV. D
B164014
SIZE: 7.000" X 6.500" X 2.00" THICK
GRAIN DIRECTION ALONG 6.500"
MATERIAL: 6061-T6/T6511 QQ-A-250/11
TOLERANCE AS PER QUOTE +.030"/-.000"

8017-8-8

7/11/2017
Note:



Dart Aerospace Ltd.
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PO Print Date 7/11/2017

Page Number 2 of 5

Order From :
METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W 0E9
CANADA
Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone
Ship To Contact
Ship To Phone
Ship Via:
Ship Acct:
FedEx PI collect
Buyer
Customer POID
Customer Tax #
Terms
Currency
FOB
Chantal Lavoie
10127-2607
Net 30
USD
Destination-Collect

Line Total: \$1,899.00
\$685.33
\$68.53
10.00 Each
7/28/2017 Yes
17-4 SS Roundbar 4.50"Od
7/28/2017
D6104-007P
AS PER DWG D6104 REV. B
B164015
MATERIAL: 17-4 PH AS PER AMS 4643 OR AISI 630
SIZE: 4.50" X 5.10" LONG

Line Total: \$685.33
\$916.8
\$76.40
12.00 F
7/28/2017 FN
7/28/2017 Yes
7075-T6S Sheet 1.250" THICK x 10.000" WIDE
M7075T6S1.250X10.000

Line Total: \$916.8
MAT'L 7075-T6/T62 ALUMINUM SHEET
SPEC'S QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209
MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET
SPEC'S QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

Note:

7/11/2017

Purchase Order ID PO36986

Purchase Order Date 7/11/2017
PO Print Date 7/11/2017

Page Number 3 of 5

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053



Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Order From :
METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W 0E9
CANADA

Buyer
Customer POID
Customer Tax #
Terms
Currency
FOB
Chantal Lavoie
10127-2607
Net 30
USD
Destination-Collect

Contact Name
Vendor Phone
Ship To Contact
Ship To Phone
Ship Via
Ship Acct:

M707516S1 250X12.000
7075-T6S Sheet 1.250"
THICK x 12.000" WIDE
FedEx PI collect

7/28/2017 FN
Yes
7/28/2017

MAT'L 7075-T6/162 ALUMINUM SHEET
SPECS QQ-A-250/12 OR AMS 4045 OR PER ASTM B209
MAT'L 7075-T6/162 ALUMINUM SHEET
SPECS QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

\$86.42

12.00

\$1,037.04

Line Total:

\$1,037.04

8078-1

M707516S2 000X6.000
7075-T6S Sheet 2.000"
THICK x 6.000" WIDE
7/28/2017 FN
Yes
7/28/2017

MAT'L 7075-T6/162 ALUMINUM SHEET
SPECS QQ-A-250/12 OR AMS 4045 OR PER ASTM B209
MAT'L 7075-T6/162 ALUMINUM SHEET
SPECS QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

\$71.35

12.00

\$856.20

Line Total:

\$856.20

Note:

7/11/2017

PURCHASE ORDER

Purchase Order ID PO36986

Purchase Order Date 7/11/2017

PO Print Date 7/11/2017

Page Number 4 of 5



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

Ship To: DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W 0E9
CANADA

Order From:

VU-MET002

Contact Name
Vendor Phone
Ship To Contact
Ship To Phone
Ship Via:
Ship Acct:

FedEx PI collect

8 M707516S3.000X2.750
7075-16S Sheet 3.000"
thick x 2.750" wide
7/28/2017 Yes

9 M707516S1.750X4.500
M707516 SHEET 1.750
THICK X 4.500 WIDE
7/28/2017 FN Yes

MAT'L 7075-16/162 ALUMINUM SHEET
SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209
MAT'L 7075-16/162 ALCLAD ALUMINUM SHEET
SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

Line Total:

\$52.42

\$48.90

Line Total:

\$586.80

\$629.04

\$586.80

Note:

7/11/2017



Dart Aerospace Ltd.
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Page Number 5 of 5

Ship To: DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Order From:
METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W 0E9
CANADA

Buyer
Customer POID
Customer Tax #
Terms
Currency
FOB
Chantal Lavoye
10127-2607
Net 30
USD
Destination-Collect

Contact Name
Vendor Phone
Ship To Contact
Ship To Phone
Ship Via
Ship Acct:

FedEx PI collect

10 M705T6S3.000X4.000
7075-T6S Sheet 3.000" thick x 4.000" wide
7/28/2017 FN 12.00 ✓

7075-T6 BAR ACCEPTABLE
MATL 7075-T6/T62 ALUMINUM SHEET
SPCS QQ-A-250/12 OR AMS 4045 OR PER ASTM B209
MATL 7075-T6/T62 ALUMINUM SHEET
SPCS QQ-A-250/13 OR AMS-QQ-A-250/13 OR PER ASTM B209

8017-81

Line Total:

\$1,138.20

Procurement Quality
Clauses

7/28/2017
No

Line Total:

\$0.00

PO Total:

\$8,870.58

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification (as applicable)
A017 raw material identification
A026 certification of material conformance
A041 quality management system
A042 draft notification by supplier
A043 retention of quality documents

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Date: 7/11/2017

2

Change Nbr:

Castle Metals, Montreal, QC
Direct line 514-795-8176
1-800-806-6660 ext 52226
Fax # 1-855-892-6370

Customized Supply Chain Solutions for Your Metal Needs

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